

## MW-2025AHS / Engine Dynamometer



Example Model Shown  
(Image may not depict all standard  
included components)

## MW-2025AHS Eddy Current Dynamometer

### Specifications

Power:	700 hp (522 kW)
Max Torque at Base Speed:	3,676 lb-ft (4,985 Nm)
Base Speed:	1,000 rpm
Max. Speed:	4,500 rpm
Construction Type:	Dry Gap
Rotor Inertia:	677 lb-ft <sup>2</sup> (28.53 kg-m <sup>2</sup> )
Coolant Required at Max. Power:	70 gpm (265 lpm)
Coolant Inlet (Min-Max):	55-100 psi (378-689 kPa)
Coolant Inlet Temperature Max:	90°F (32.2°C)
Shipping Weight (estimate):	6,000 lb (2,722 kg)
Companion Flange / Hub Pattern:	1810 - US Customary
Coil Voltage / Hot Amperage:	90V / 19.51 amps
Rotation:	bi-directional

*For overhung loads, such as a belt or gear drive, please contact Dyne Systems to ensure that the system will meet the required performance needs.*

### Recommended Accessories

- Driveshaft - 1810
- Torsional Coupling - 1810
- Flywheel Adapter Plate Kit
- Driveshaft Guard
- Sub-Base Kit
- Engine Cart
- Air or Electric Starter
- Engine Cooling Column
- Charge Air Cooler
- Water Recirculating System

## Optional Accessories



Optional Manual  
Shaft Lock



Optional Closed Loop  
Cooling Center



Optional Charge  
Air Cooler



Optional Driveshaft Guard



Optional Engine Cart

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## Various Facility Support Systems and Services Available



Bulk Fuel Storage  
and Distribution



Coolant Storage  
and Distribution



Water  
Recirculation

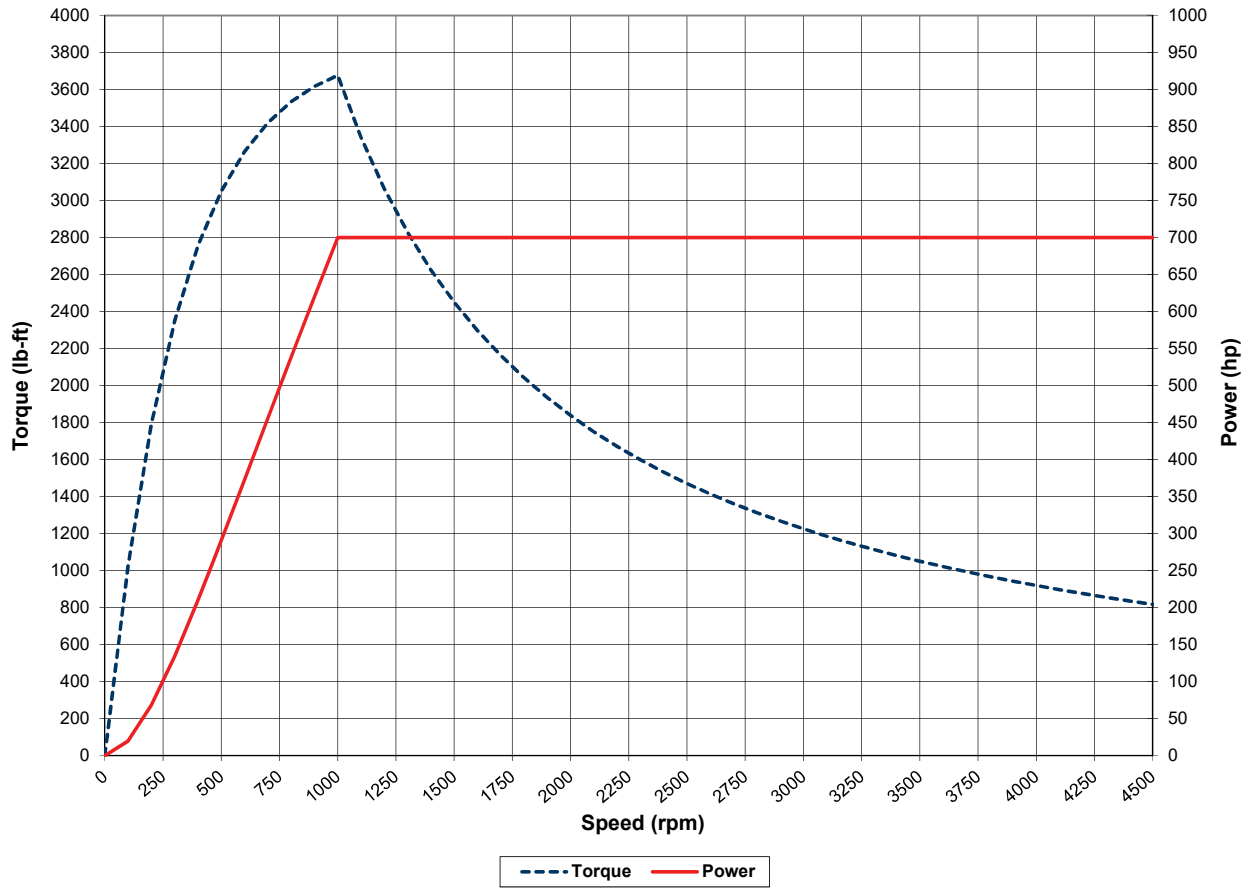


Design, Project  
& Construction  
Management Services

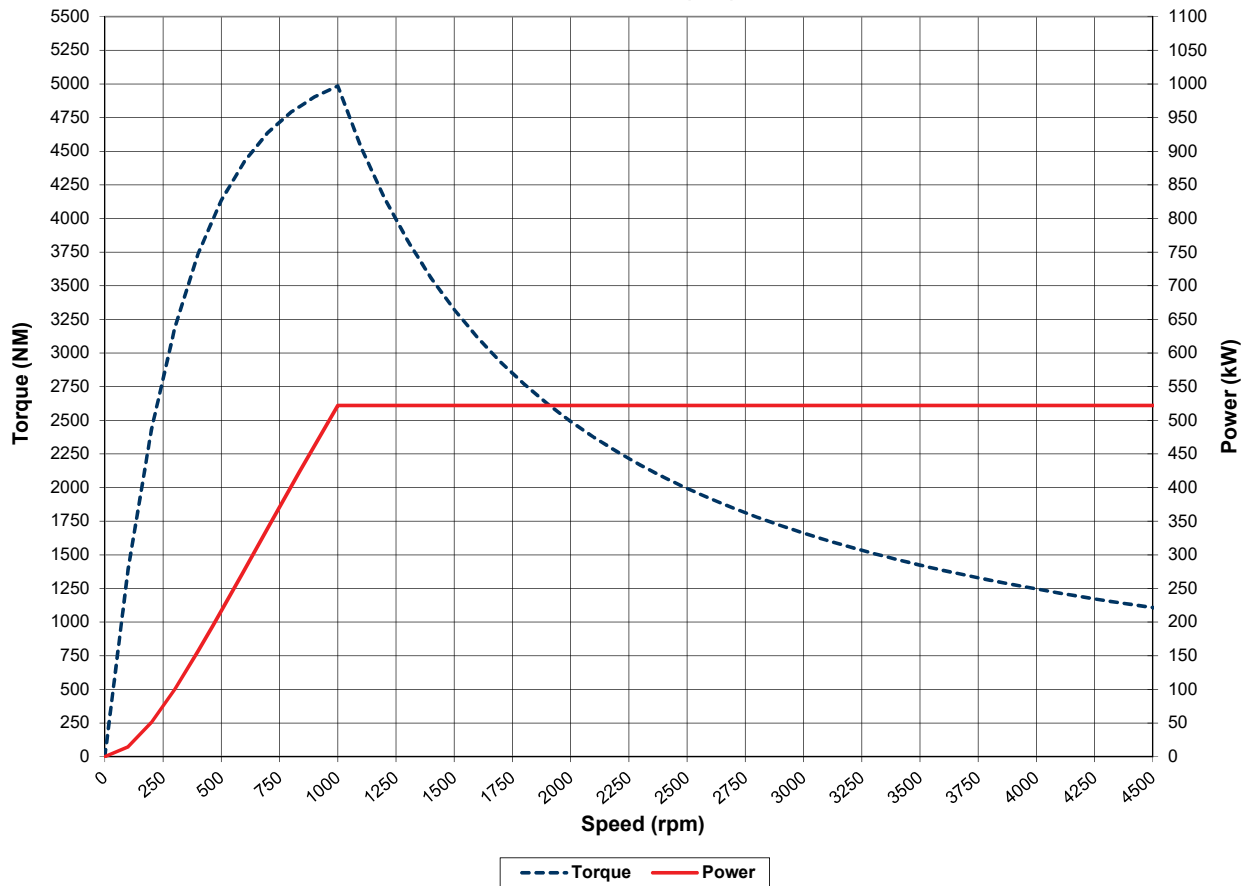


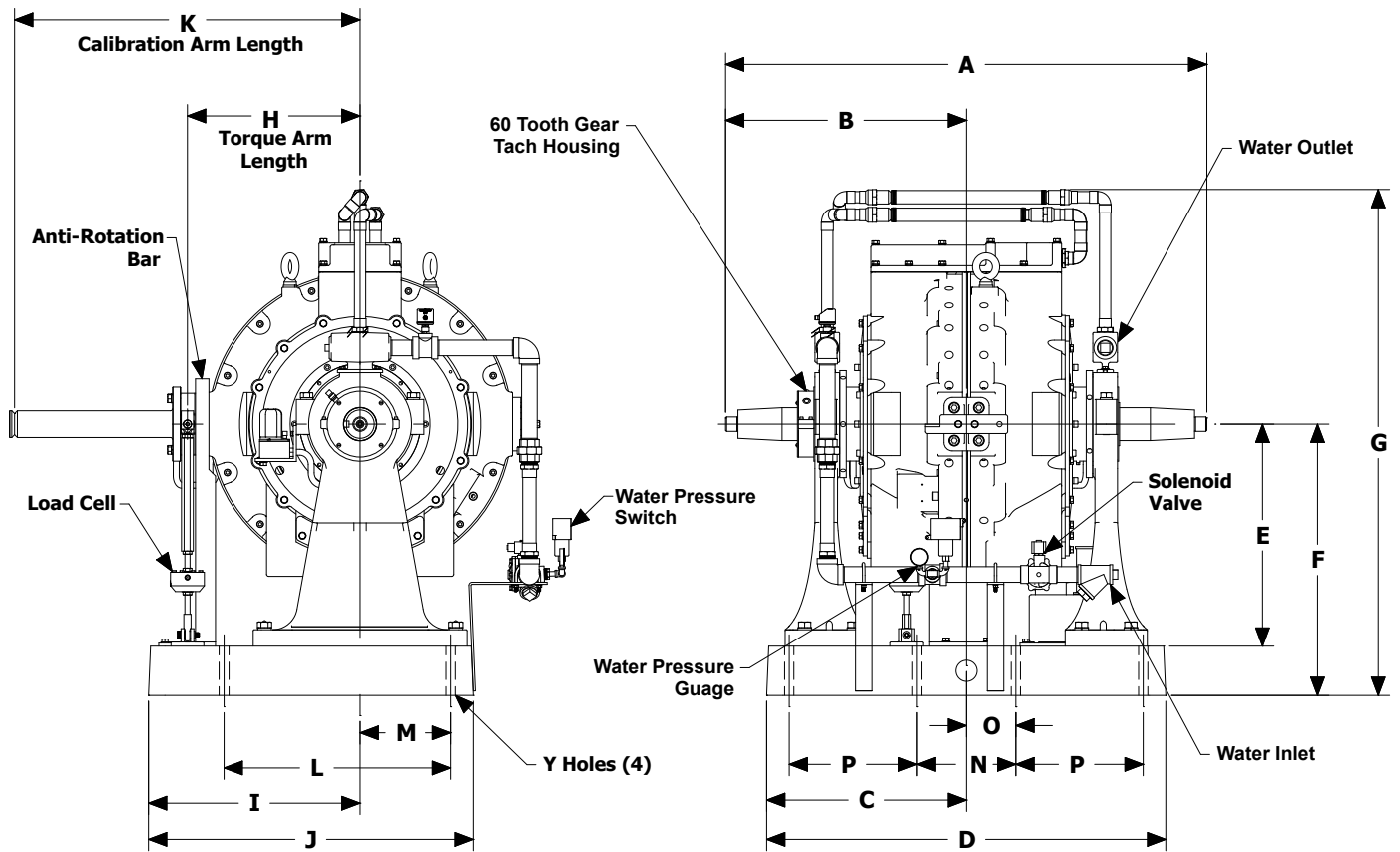
Commissioning,  
Start-up & Training

MW-2025AHS (US Customary)



MW-2025AHS (S.I.)





Note: Shown without companion flange

Units	A	B	C	D	E	F	G	H	I
US Customary	58.5	29.25	24.25	48.5	27	33	61.5	21	25.75
S.I.	1,486	743	616	1,232	686	838	1,562	533	654

Units	J	K	L	M	N	O	P	Y
US Customary	39.5	42	27.5	11	12	6	15.5	1.13
S.I.	1,003	1,067	699	279	305	152	394	29

(All dimensions are for new OEM supplied units)

## Standard Included Components

- Load Cell and Linkage
- Cooling Safety Package
- Calibration Arm
- Calibration Weight Hanger
- Companion Flange / Hub Pattern 1810 - US Customary
- Shaft End Guard
- Magnetic Pickup and 60-tooth Gear
- Pressurized Re-Circulating Oil System
- Bearing RTDs

*As a safety precaution, Dyne Systems recommends a torsional analysis to uncover any potential torsional problems that exist for each application. This analysis will identify any torsional issues (frequencies) that should be fixed prior to operation. Excessive linear vibration may also create problems that must be mitigated for continued operation. It is the customer's responsibility to ensure that these vibration issues are addressed upon application of the dynamometer. Equipment failures attributed to linear or torsional vibration are not warrantable.*

**Everything you need to succeed**



Dyne Systems is a division of Taylor Dynamometer  
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